84-22476/36 D15 COLLOID CHEM WATER 24 D5 89-STL442031 715 D1 841 CD24 D1 708	COLL = 26.05.82 D(4.A2) *SU 1066-942-A	D(4.A2)
Removal of entero-viruses from drinking water - by shaking with aerosil or boehmite as alumino gel or xerogel	- by shaking with	
C84-094722		

removed from water by adsorption either on bochmite in the form of alumogel or xerogel, subjected to hydrothermal treatment, and having pore dia. 60-90 nm, or on aerosil with particle dia. 20-40 nm. The method gives drinking water of reliable quality, unlike the previous method of adsorption on activated carbon, which did not ensure removal of 100% of the Entero viruses such as E.coli, with particle size 20-30 nm, are entero viruses.

Typically the alumogel was heat treated at 300 deg. for thr to give oxide with specific surface 20 m2/g. and the xerogel was obtd. by drying the alumina at 100 deg. to give specific surface 1400 deg. In SICI4 vapour to give powder of spherical particles with dia. 20-40mm. Drinking water with litre 6.28 TDD was shaken with 2mg/100 ml. boehmite in the form of xerogel for 4 hr. The filtered water contained no entirovirus. Bul. 2/15.1.84. (8pp 20m2/g. The acroall was the commercial product heat treated at Dwg.No.0/0)

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